	Application No.	Applicant(s)
Notice of Allowability	09/899,466	HUDSON, KEVIN R.
	Examiner	Art Unit	
	Satwant K. Singh	2626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *05 July 2001*.

2. ☒ The allowed claim(s) is/are *1-24*.

3. ☒ The drawings filed on *5 July 2001* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date *10 June 2005*.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date *7/01 , 5/03* .

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other : _____ .

DETAILED ACTION

Drawings

1.   New corrected drawings in compliance with 37 CFR 1.121(d) are required in this

application because the drawings submitted on 5 July 2001 are informal. Applicant is

advised to employ the services of a competent patent draftsperson outside the Office,

as the U.S. Patent and Trademark Office no longer prepares new drawings. The

corrected drawings are required in reply to the Office action to avoid abandonment of

the application. The requirement for corrected drawings will not be held in abeyance.

Allowable Subject Matter

2.   Claims 1-24 are allowed.

3.   Regarding Claim 1, Noyes et al. (US 6.213.584), Otsuki (US 6,705,695), and

Hamamoto et al. (US 6,863,367) teach a method for printing with a bidirectional inkjet

printer, comprising: converting a first set of color pixel data having a direction-

independent data format into a second set of color pixel data having a direction-

dependent data format, the direction-dependent format including at least one direction-

independent data segment and at least one pair of direction-dependent data segments.

        Noyes et al. (US 6.213.584), Otsuki (US 6,75,695), and Hamamoto et al. (US

6,863,367) fail to teach a method for printing with a bidirectional inkjet print, comprising:

selecting the at least one direction-independent data segment and one of each of the at

least one pair of direction-dependent data segments for printing the second set of color

pixel data in a corresponding print direction.

4.   It follows that dependent claims 2-14 are allowable for depending on an

allowable base claim.

5.   Regarding Claim 15, Noyes et al. (US6.213.584), Otsuki (US 6,705,695), and

Hamamoto et al. (US 6,863,367) teach a color map for converting an input pixel having

a print-direction-independent color into an output pixel having a print-direction-

dependent color, comprising: a plurality of table entries, each entry having a discrete

input color value and a corresponding discrete output color value; wherein each input

color value further comprised a prespecified combination of primitive values for print-

direction-independent input color primitives.

Noyes et al. (US6.213.584), Otsuki (US 6,705,695), and Hamamoto et al. (US

6,863,367) fail to teach a color map for converting an input pixel having a print-direction-

independent color into an output pixel having a print-direction-dependent color,

comprising: wherein each output color value further comprises a prespecified

combination of primitive values for at least one print-direction-independent output color

primitive and at least one pair of print-direction-dependent output color primitives.

6.   It follows that dependent claims 16-20 are allowable for depending on an

allowable base claim.

7.   Regarding Claim 21, Noyes et al. (US6.213.584), Otsuki (US 6,705,695), and

Hamamoto et al. (US 6,863,367) teach a color printing system, comprising: a print

engine for controllably ejecting drops of colored inks during bidirectional scanning; a

color converter adapted to receive color print data and generate a set of data channels

relating to the colored inks, the data channels including at least one-print-direction-

independent data channel and least one pair of print-direction-dependent data

channels.

Noyes et al. (US6.213.584), Otsuki (US 6,705,695), and Hamamoto et al. (US

6,863,367) fail to teach a color printing system, comprising: a print controller

communicatively coupled to the color converter for receiving the data channels and to

the print engine for controlling the scanning direction and the ejecting, the controller

configured to print data from the at least one print-direction-independent data channel

during scanning in both directions and from a different one of the at least one pair of

print-direction-dependent data channels during scanning in each opposite direction.

8.   It follows that dependent claim 22 is allowable for depending on an allowable

base claim.

9.   Regarding Claim 23, Noyes et al. (US6.213.584), Otsuki (US 6,705,695), and

Hamamoto et al. (US 6,863,367) teach a color printing system, comprising: a print

engine for controllably ejecting drops of colored inks during bidirectional scanning; a

color converter adapted to receive color print data and generate a set of data channels

relating to the ink colors of the system, the data channels including a single data

channel for some ink colors and a pair of data channels for other ink colors.

Noyes et al. (US6.213.584), Otsuki (US 6,705,695), and Hamamoto et al. (US

6,863,367) fail to teach a color printing system, comprising: a print controller

communicatively coupled to the color converter for receiving the data channels and to

the print engine for controlling the scanning direction and the ejecting, the controller

configured to determine which of the pair of data channels to use during printing in a

particular scanning direction so as to cause a particular color of print data to have the

same perceived color when printed in either scanning direction.

10.   It follows that dependent claims 24 is allowable for depending on an allowable

base claim.

Contact Information

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Satwant K. Singh whose telephone number is (571)

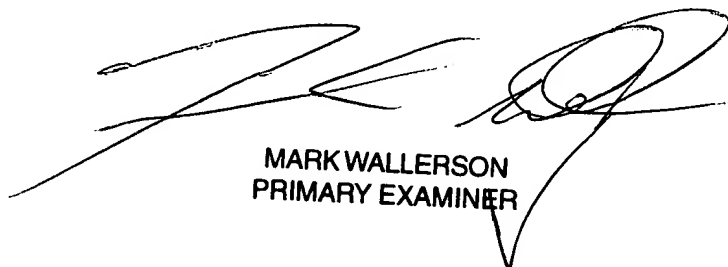272-7468. The examiner can normally be reached on Monday thru Friday 8am -

4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kimberly A. Williams can be reached on (571) 272-7471. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Satwant K. Singh
Examiner
Art Unit 2626

sks

MARK WALLERSON
PRIMARY EXAMINER